

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1-3. (Canceled)

4. (Currently Amended) A driver circuit to drive a pixel of an electroluminescent device, the pixel including an electroluminescent element, the circuit comprising:

~~a transistor connected so as to operatively control a of which a conducting state is set according to a data current that determines a current level of a driving current supplied to the electroluminescent element;~~

a first switching device connected so as to establish a first current path through which ~~a~~the data current flows during a programming stage, the data current flowing through the transistor and the first switching device to a data line during the programming stage; and

a second switching device connected so as to establish a second current path through the transistor and the electroluminescent element during a reproduction stage,

~~the first switching device being connected such that the current path does not pass through the electroluminescent element during the programming stage;~~

the first and second switching devices being controlled by respective control signals supplied from separate signal lines.

5. (Previously Presented) The driver circuit according to claim 4, further comprising a third switching device, the third switching device being connected to bias the transistor to act as a diode during the programming stage.

6. (Canceled)

7. (Previously Presented) The driver circuit according to claim 5, wherein the third switching device connects the first switching device to the gate of the transistor.

8-9. (Canceled)

10. (Previously Presented) The driver circuit according to claim 4, wherein the circuit is implemented with polysilicon thin film transistors.

11. (Currently Amended) A method of controlling a current-supply of a driving current to an electroluminescent element, the method comprising:

providing a first current path through which a data current that determines a current level of the driving current flows during a programming stage by using a first switching device connected so as to establish the first current path, ~~said first current path not passing through the electroluminescent element; path that allows the data current to flow through the first switching device to a data line;~~ and

providing a second current path during a reproduction stage by using controlling a second switching device connected so as to establish the second current path, ~~said-the second current path passing through the electroluminescent element,~~

the first switching device and the second switching device being controlled by respective control signals supplied from separate signal lines.

12. (Currently Amended) A method of controlling a current supply to an electroluminescent element, the method comprising:

providing a first current path including a transistor during a programming stage, ~~said current path connecting to a current sink through a data line;~~ and

providing a second current path including the transistor during a reproduction stage, ~~said-the second current path passing through the electroluminescent element,~~

providing a data current that determines a conduction state of the transistor, ~~the data current flowing from a power-supply line to a data line through the first current path,~~

~~supplying a driving current to the electroluminescent element, the driving current flowing through the second current path, and~~

providing a current level of the driving current corresponding to the conduction state of the transistor.

13. (Previously Presented) An electroluminescent display device comprising the driver circuit according to claim 4.

14. (Original) An electronic apparatus incorporating an electroluminescent display device as claimed in claim 13.

15-26. (Canceled)

27. (Currently Amended) A circuit comprising a current driven element,
the circuit providing a first current path flowing through which a data current, that determines a current level of a driving current supplied to the current driven element, flows through the first switching device to a data line by controlling a first switching means, the data current not flowing through the current driven element,
the circuit providing a second current path flowing a through which the driving current through the current driven element flows by controlling a second switching means, the driving current flows through the current driven element, and
the first switching means and the second switching means being controlled by respective control signals supplied from separate signal lines.

28. (Canceled)

29. (Previously Presented) The circuit according to claim 4, wherein the transistor is a p-channel thin film transistor.

30. (Currently Amended) The circuit according to claim 27, wherein the first and, the second, and the third switching means are n-channel thin film transistors.

31. (Previously Presented) The circuit according to claim 27, wherein the first current path and the second current path include a transistor.

32. (Currently Amended) An electro-optical device having comprising a plurality of pixels, each of the plurality of pixels comprising including a circuit with a current driven element and a current determining device that determines a current according to a data signal, that controls a driving current supplied to a current driven element,

the circuit providing a first current path that excludes the current driven element by controlling a first switching device, and a data current that determines a current level of the driving current, the data current flowing through the first current path and the first switching device to a data line,

the circuit further providing a second current path that includes the current driven element by controlling a second switching device, and

the first and second switching devices being controlled by respective control signals supplied from separate signal lines.

33. (Original) An electronic apparatus including the electro-optical device according to claim 32.

34. (Currently Amended) A circuit comprising a current driven element, the circuit providing:

a first current path including the current driven element during a first period and a second current path not including the current driven element, the second current path being connected to a current sink through a data line during a programming stage during a second period,

a data current that determines a conduction state of a transistor included in the circuit, the data current flowing through the first current path,

a driving current of which a current level corresponds to the conduction state of the transistor, the driving current flowing through the second current path,

the data current flowing to a current sink and a data line through the transistor,
and

the driving current flowing to the current driven element through the transistor.

35. (Canceled)

36. (Previously Presented) A method for driving a circuit comprising a current driven element and a transistor that controls a current supplied to the current driven element, the method comprising:

determining a gate voltage of the transistor by flowing a data current from a voltage supply to a current sink through the transistor and a data line; and

providing a driving current to the current driven element, the driving current corresponding to the gate voltage determined according to the data current.

37. (Canceled)

38. (Currently Amended) The method according to claim 36, no current is the data current being supplied to the current driven element during the determining of the gate voltage of the transistor.

39. (Currently Amended) A driver circuit to drive a pixel of an electroluminescent element, device, the driver circuit comprising:

a transistor connected so as operatively control the current supplied to the electroluminescent element;

a first switching device connected so as to establish a first current path including the transistor during the programming stage;

a second switching device connected so as to establish a second current path including the transistor and the electroluminescent element during a reproduction stage; and

a current sink,

the first switching device being connected such that the first current path during the programming stage is connected through a data line to the current sink.

40. (Previously Presented) The driver circuit according to claim 39, the first and second switching devices being controlled by respective control signals supplied from separate signal lines.

41. (Previously Presented) An electroluminescent display device comprising the driver circuit according to claim 39.

42. (Previously Presented) The driver circuit according to claim 39, the transistor being a p-channel transistor.

43. (Previously Presented) The driver circuit as claimed in claim 39, the first and the second switching devices being formed of respective n-channel transistors.